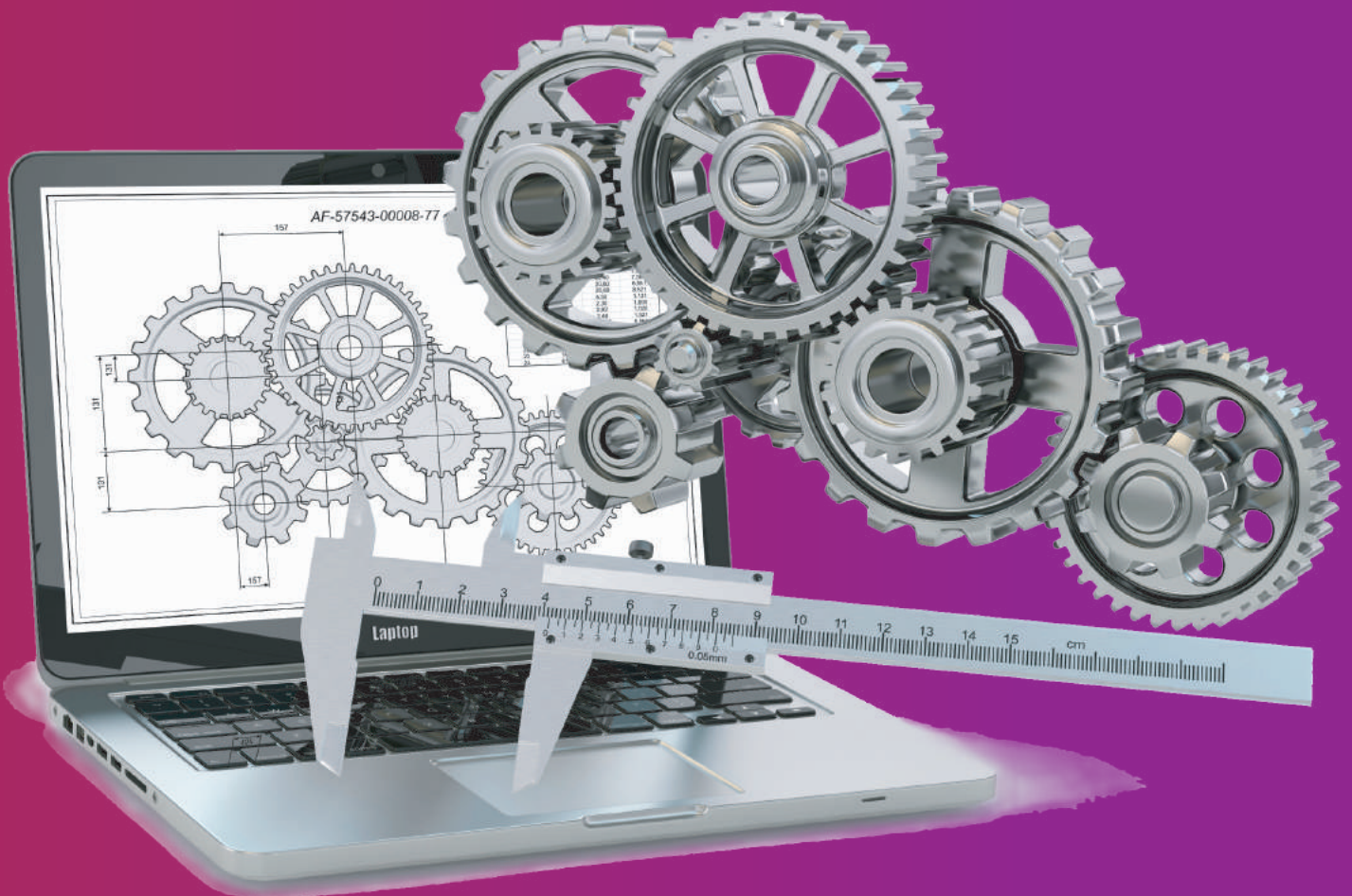


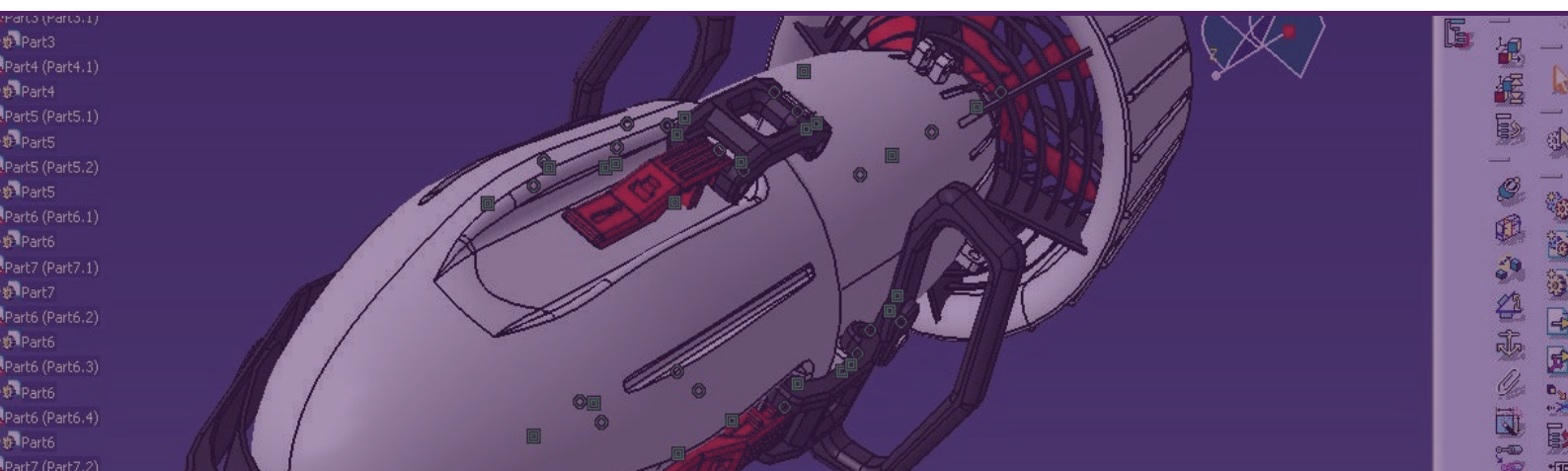
Nano
Degree Program
CATIA
Computer Aided
Design & Drafting Course





The global computer-aided design (CAD) software market was valued at \$8,325.0 million in 2017 and is predicted to progress at a CAGR of 6.6% during 2018–2023. The increasing use of CAD software in the packaging industry and automotive industry is one of the key factors positively impacting the growth of the market.

On the basis of technology, the market has been bifurcated into 3D software and 2D software. Of these, 3D CAD software held the larger share in the CAD software market in 2017, owing to the growing need for design efficiency and accuracy and enhanced product visualization and presentation. In addition, 3D CAD also accelerates the development cycle with virtual testing and optimization.





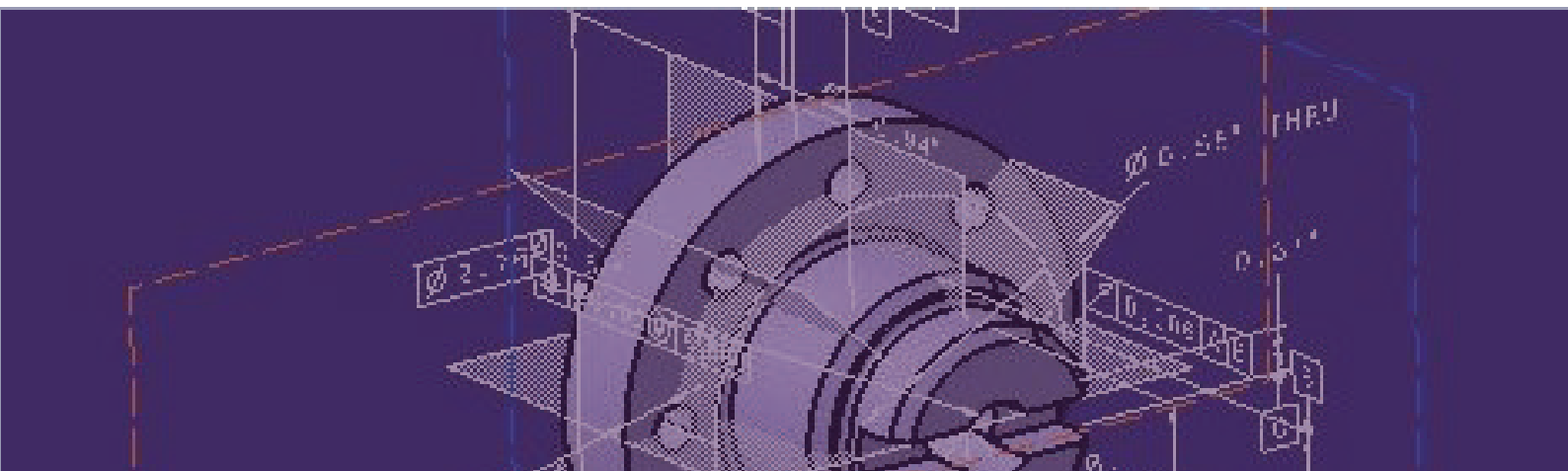
What are the program objectives?

The course aims to give students and professionals the essentials that is needed to become a certified CATIA associate. The course will help individuals use the software with confidence and design/draft the next innovative thing.

The course is designed to be a process or task based approach to learning the individual features and functions of CATIA, thereby emphasizing processes and procedures for completion of any task. By building actual parts and assemblies, the student should learn the necessary commands, options and menus in the the context of completing a design task.

What are the main highlights of the program?

- Learn without a career break with online classes available 24*7.
- One can access the course at their own pace, but with the investment of 3-5 hours/week, it can be finished within a month.
- The programme uses a Continuous Evaluation System that assesses the learners over convenient and regular intervals. Such a system provides timely and frequent feedback and helps busy working professionals stay on course with the programme.
- The education delivery method is a blend of classroom and experiential learning.
- Participants who will complete the programme become eligible for Mentorship and Placement help through our Job Fairs.





Who should apply?

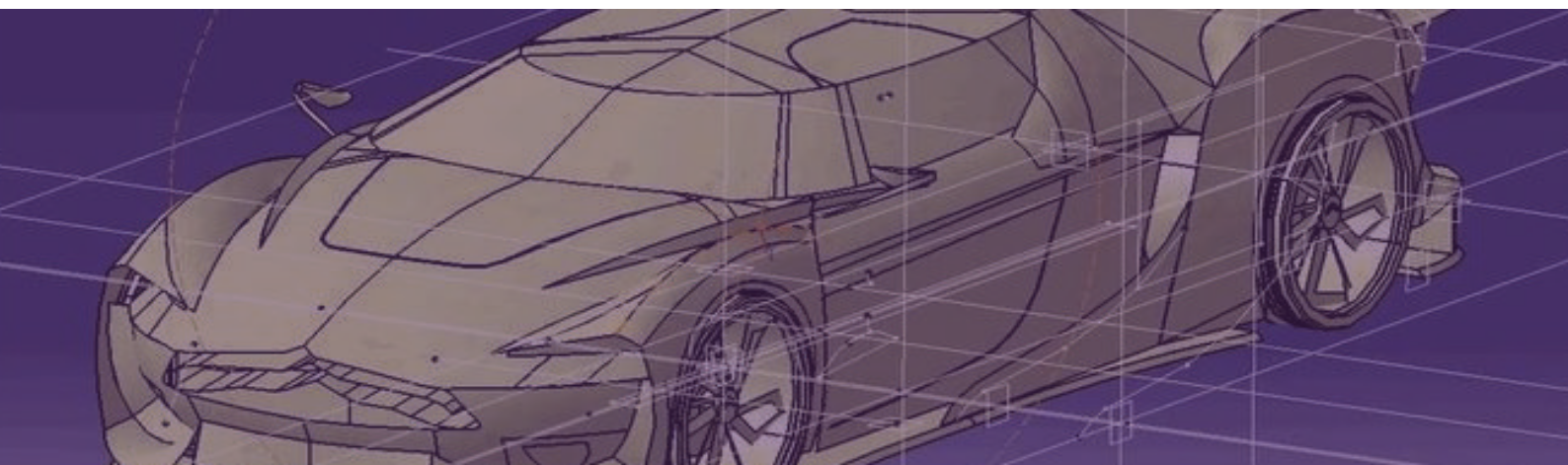
The programme is designed for students or professionals who are:

- Having a Diploma, BE / B.Tech or equivalent in domains such as Automotive, Mechanical, EEE, ECE, Instrumentation, Mechatronics.
- Designing enthusiasts (No academic qualification mandatory)
- Working in industries such as Automotive, Auto component, Design, Manufacturing, etc
- Working in Functional areas such as R&D, Analysis, Maintenance, Projects, component design etc.
- Interested in pursuing further studies on the part-time or full-time basis in Design and Engineering Sector.

What are the technical requirements?

The programme to give its best will need following requirements:

- Computer/ Laptop will provide you with the best experience, but this program is quite compatible with smartphones to make it feasible for students worldwide.
- High-speed internet for crystal clear experience, but this program can also run without buffering with below-average connectivity for reaching out students from suburban and rural areas.
- A student should make their notes for future reference.
- A student should have basic knowledge about high-school physics and chemistry, even though the pre-requisite of this programme will brush up one's basic concepts.
- A student should have a compatible computer for CATIA CAD software so that they can practice with the progress of the course.

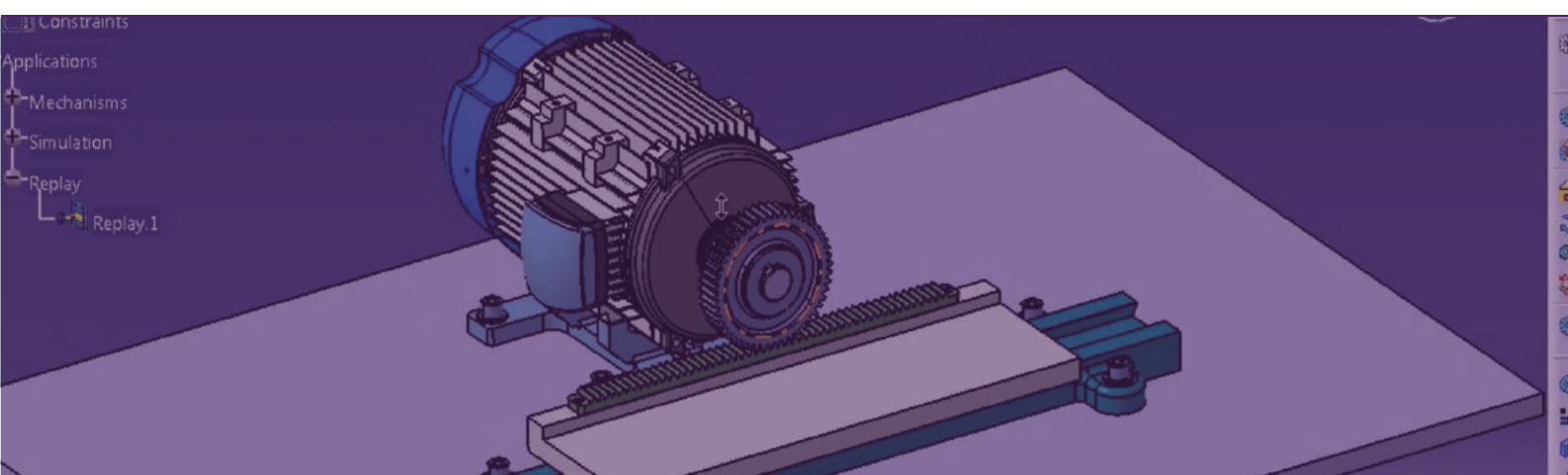


What is the learning methodology?

DIYguru presents the Nano-degree program on CATIA Computer Aided Design and Drafting. You will be learning how make 3D models, 2D engineering drawing, assembly, animation, and high-quality render of a product in CATIA. It will take you from the very beginning of opening CATIA and teach you the entire designing workflow within CATIA. This course is ideal for Engineering Drawing students and can also be opted by students those looking for project based training. This program provides you with the most flexible learning environment possible. This program is offered as a self-paced program often referred to as asynchronous online program which is time independent, meaning that it can be accessed 24X7 within the tenure of 30 days. This program can be accessed from multiple devices which make it easy to learn on the go.

What are the learning outcomes?

- Demonstrate competency with multiple drawing and modification commands in CATIA.
- Create three-dimensional solid models.
- Create three-dimensional assemblies incorporating multiple solid models.
- Apply industry standards in the preparation of technical mechanical drawings.
- Create Simulation of the assemblies incorporating multiple solid models.





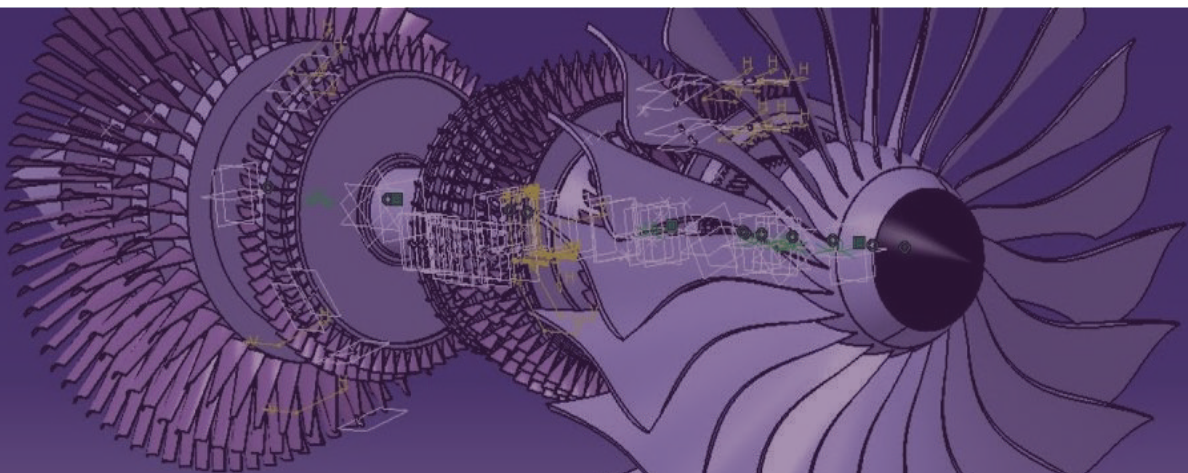
How to apply?

Enrollment procedure follows a few hassle-free steps:

- Signup with your operational e-mail ID.
- Select "CATIA- Computer Aided Design and Drafting Course".
- Select "Take the Course".
- Apply coupon code if applicable.
- Fill the required fields on the form.
- Select your preferred payment gateway.
- Pay the total amount.
- Select "Start Course" and shift yourself to an upskilling mode.

What is the fee structure?

The actual fee of this elite program is INR 6500 + 18% GST that is INR 7670 only.



Online Course (30 Days)

Introduction to CATIA V5

- What is CATIA
- How to Access and Create a Part File
- Settings & Options

The CATIA V5 User Interface

- Toolbars & Icons
- Understanding the Menu
- Modelling Tree
- Compass & Corner Axis
- Mouse Functions
- Part Visualization
- Data Selection

Part Design Workflow

- Creating a Sketch
- Making a Solid
- Dressing up the Solid
- Basic Editing

Sketch Options and Settings

- Types of Sketches
- Entering and Exiting Sketcher
- Sketch Tools Toolbar
- Sketcher Options
- Sketch Visualizations

Creating and Editing Sketch Curves

- Profile Toolbar
- Operation Toolbar
- Constraints
- Sketch Analysis
- Sketch Exercise

Part Design

- Pad or Pocket
- Shaft and Groove
- Hole
- Fillet and Chamfer
- Draft
- Shell
- Mirror
- Part Exercise

Measures and Analysis

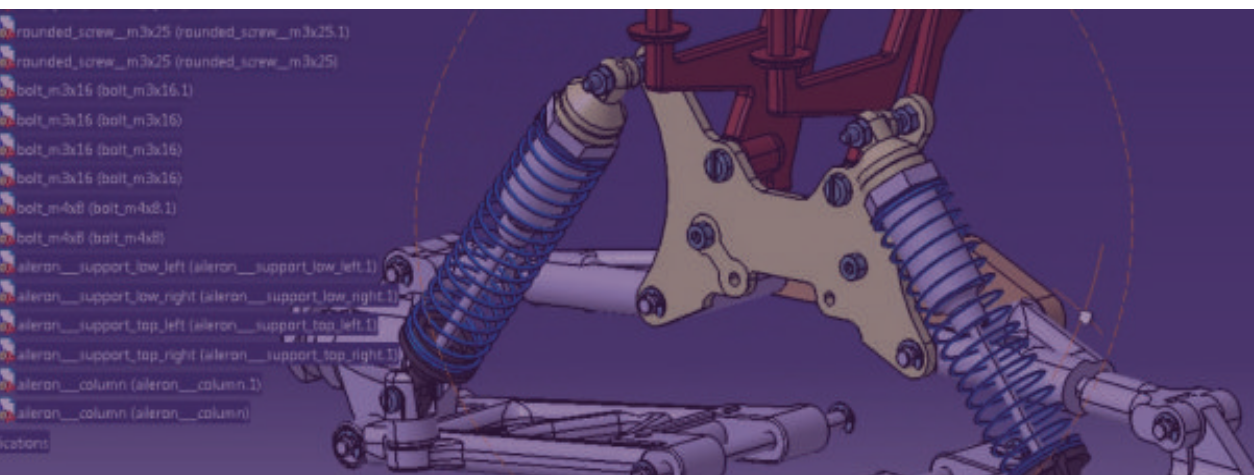
- Measure Distance
- Measure Item
- Measure Inertia

Building a Product

- What is a Product File?
- Inserting Parts
- Moving Parts Around
- Constraints and Relationships
- Save Management

Drafting

- Creating the Initial Drawing:
- Page Setup
- Dimensions
- Text and Editor
- Save and Print



TRUSTED BY



"Just a quick note to let you know how pleased and impressed we are with the two day training programme handled at our premises. We were very new to the Electric Vehicle aspect and terminology used for as a non - technical personnel. Though the topic of Electric vehicle is a bit typical and dry, the way the trainer has kept us in pace with interactive session and made the thing clear and clarified the doubts we raised was very much helpful "

- Rajesh Mutharaju, Head HR - Hyundai Motors



"At Bosch Bangalore & Coimbatore, the DIYguru training programme has helped a lot in improvising the concepts of Electric Vehicle Design & Engineering for our experienced and fresh employees. The trainers are of high quality and knowledgeable in terms of delivering the contents and making things understandable. We look forward to have a continuous relationship."

- R Shashi Kumar, Head HR - Robert Bosch Engineering



"Partnering with DIYguru we can see the budding entrepreneurs working closely on EV projects. I can see the interaction and enthuse which is there with all the young boys and girls who are part of this project. They are doing exceptionally well and I congratulate entire DIYguru team to further get more the guys and be a part of the electric revolution."

- Praveen Shrivastava, Zypp Mobycy



"DIYguru is giving a platform to new entrepreneurs in building up skills so that they get ready for the current market requirement. They are bridging the gap between the actual industrial requirement and conventional education system which are available with the schools and colleges."

- Sumit Agrawal,, Engineer & Entrepreneurs



"Doing this course helped me to understand the fundamentals of an electric vehicle, from Batteries to power train BMS to controller the basic know-hows are clear to me. This course helped me to change my attitude from mobility as a product to mobility as a service. As a student, I have got to understand the job and business opportunity which are waiting at our doorsteps within E mobility sector."

- Atharva Pitale, Yashwantrao Chavan College of Engineering

